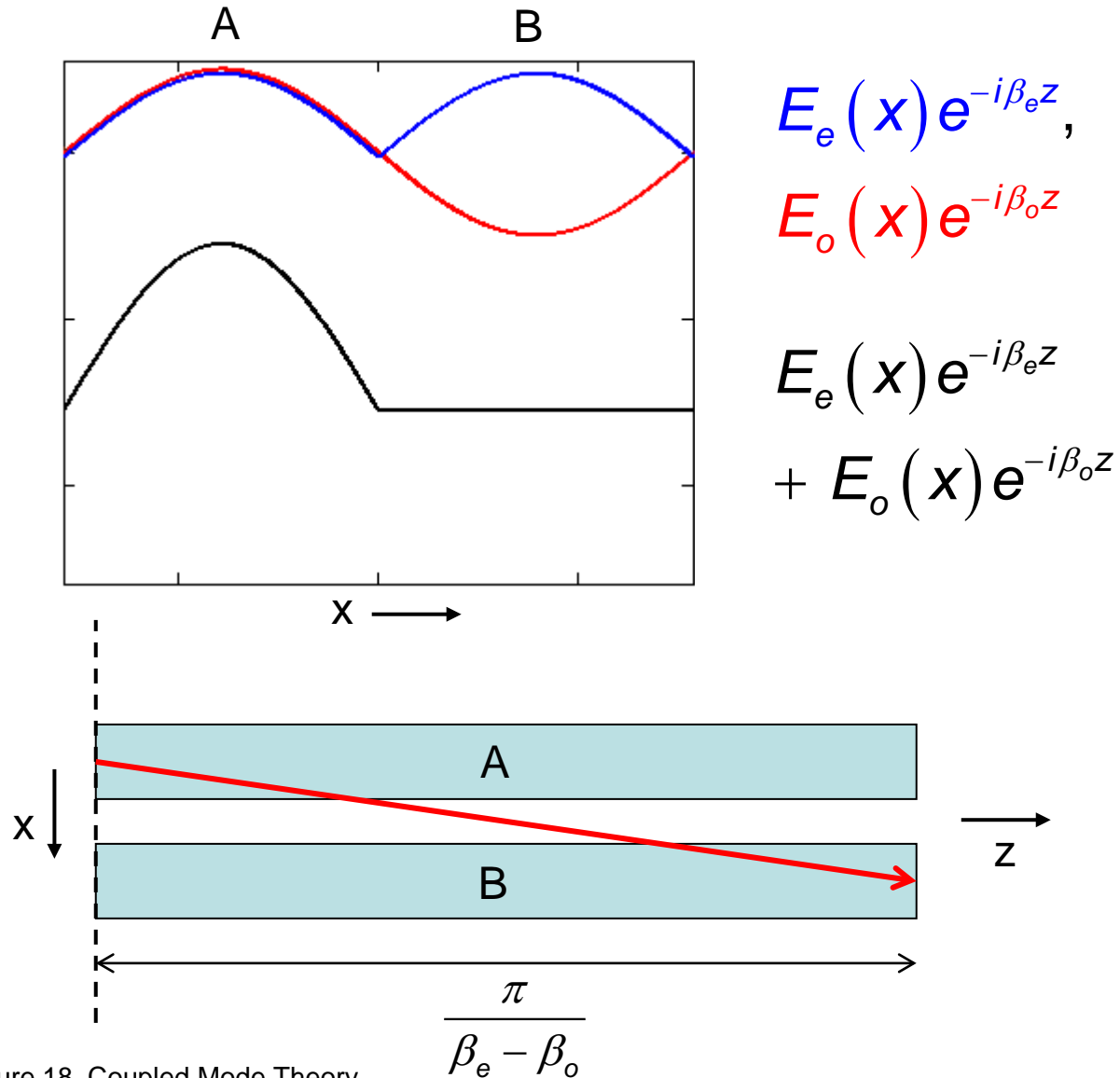
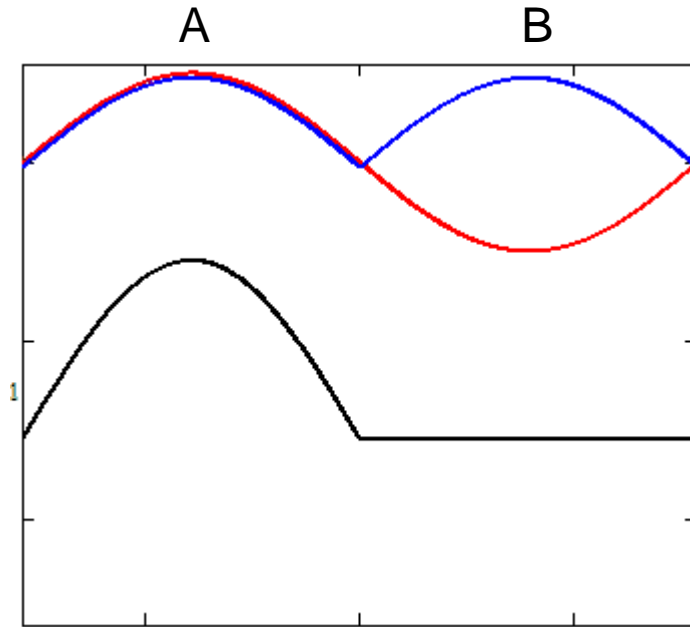


Coupled Optical Waveguides



Coupled Optical Waveguides



$$E_A = A(z) \left(\frac{E_e(x) + E_o(x)}{2} \right) e^{-i \left(\frac{\beta_e + \beta_o}{2} \right) z},$$

$$E_B = B(z) \left(\frac{E_e(x) - E_o(x)}{2} \right) e^{-i \left(\frac{\beta_e + \beta_o}{2} \right) z}$$

$$A(z) = \cos \left(\frac{\beta_e - \beta_o}{2} z \right)$$

$$B(z) = -\sin \left(\frac{\beta_e - \beta_o}{2} z \right)$$

